

IDENTIFICATION

Species: *Capsella rubella*

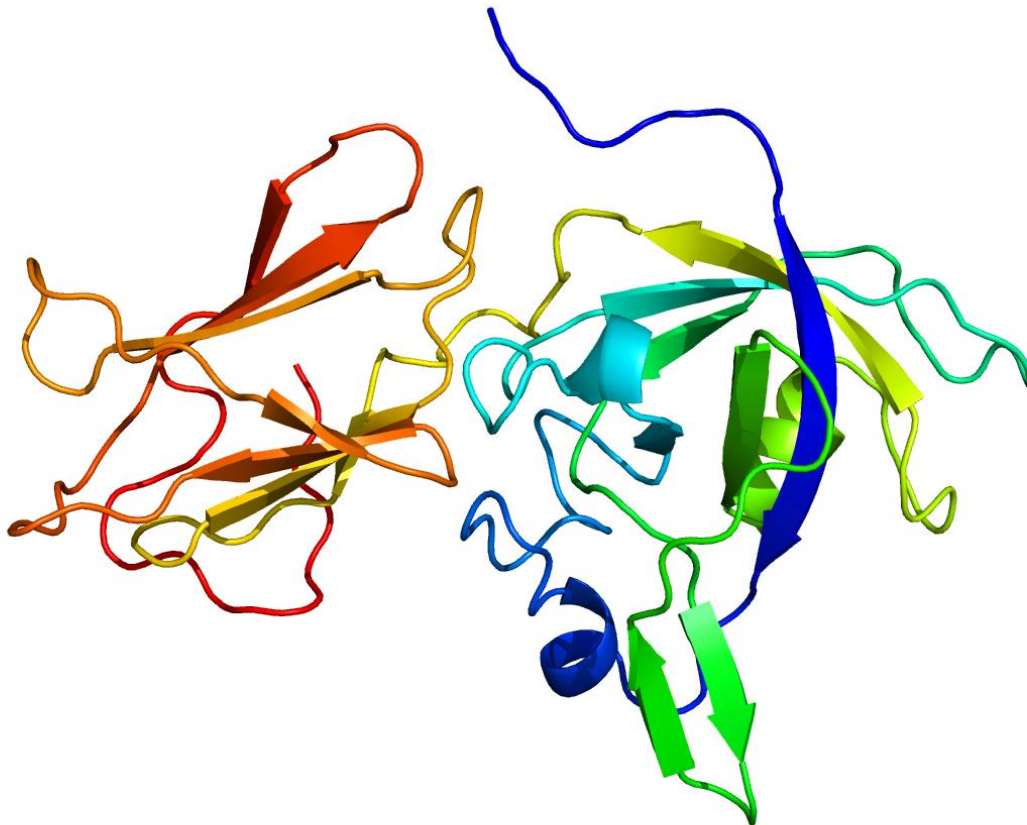
Locus: Carub.0001s2424

Gene Model: Carub.0001s2424.1.p

Description: CrEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1

KEGG: <https://www.genome.jp/entry/gn:T02984>

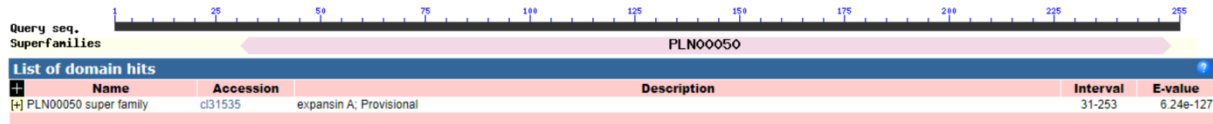
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CrEXPA-04

MGRHVGFLVLMVGMMASSVSGYGGGGGGWVNAHATFYGGGDASGTMGGACG
YGNLYSQGYGTSTAALSTALFNGLSCGSCFEIRCENDGKWCLPGSIVVTATNFCPPN
NALANNNGGWCNPPLQHFDLAQPVFQRIAQYRAGIVPVS YRRVPCRRRGGIRFTING
HSYFNLVLITNVGGAGDVHSAAIKGSRTGWQTM SRNWGQNWQNSYLNQALSFK
VTTSDGRTVVS YNAAPAGWSYGQTFAGGQFR*

CDS (coding sequence)

>CrEXPA-04

ATGGGTCGCCATGTCGGGTTCTTAGTTTTGGTTATGGTAGGAGTAATGGCTTCTTC
TGTGAGCGGCTATGGTGGTGGTGGCGGTGGCGGTTGGGTCAATGCTCATGCAACG
TTCTACGGGGGTGGCGATGCTTCTGGCACAATGGGTGGTGCTTGTGGATATGGTA
ATCTATATAGCCAAGGCTACGGGACGAGCACTGCGGCTTTGAGTACGGCTTTGTT
CAACAATGGACTTAGCTGTGGTTCTTGCTTTGAGATAAGATGTGAAAACGATGGT
AAATGGTGTTTGCCTGGCTCAATCGTTGTAACCGCTACAACTTCTGTCTCCAAA
CAACGCCTTAGCCAACAACAATGGTGGTGGTGTAACTCCTCCTTCAACACTTTG
ACCTTGCTCAGCCTGTGTTTCAACGCATTGCTCAATACAGAGCTGGAATCGTTCCA
GTTTCCTACAGGAGGGTACCATGCAGGAGAAGAGGAGGAATAAGATTCACGATA
AATGGCCACTCATACTTCAACCTTGTTCTGATCACTAACGTCGGTGGTGCCGGAG
ACGTTCACTCGGCGGCGATCAAGGGTTCAAGAACAGGTTGGCAAACCTATGTCAA
GAACTGGGGACAAAACCTGGCAAAGCAACTCTTACCTCAACGGTCAAGCACTTTC
CTTCAAGGTCACCACCAGCGACGGCCGTACCGTTGTCTCCTACAACGCCGCTCCT
GCCGGCTGGTCTTACGGCCAGACCTTCGCCGGAGGACAGTTCCGCTAG

Nucleotide

>CrEXPA-04

CACATATCTTTCTTTCTTTCTTCTTGACGGAAGGAAGAAGAAGAAGATCTCCAAG
TCGTCCCTAGTATCTGCTTTTTCTTGTAGCTTCTTAACACAAAAAGTAAACATGGG
TCGCCATGTCGGGTTCTTAGTTTTGGTTATGGTAGGAGTAATGGCTTCTTCTGTGA
GCGGCTATGGTGGTGGTGGCGGTGGCGGTTGGGTCAATGCTCATGCAACGTTCTA
CGGGGGTGGCGATGCTTCTGGCACAATGGGTAAACAATCCTTATTTACAAAACCTC
ATTTCTAACCAATTATCAAATTTACTGATCTTCAATGTTACTACTACGTTGTAGGT

GGTGCTTGTGGATATGGTAATCTATATAGCCAAGGCTACGGGACGAGCACTGCGG
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AGATGTGAAAACGATGGTAAATGGTGTTCCTGGCTCAATCGTTGTAACCGCTA
CAAACCTTCTGTCTCCAAACAACGCCTTAGCCAACAACAATGGTGGTTGGTGTA
TCCTCCTCTTCAACACTTTGACCTTGCTCAGCCTGTGTTTCAACGCATTGCTCAAT
ACAGAGCTGGAATCGTTCCAGTTTCCTACAGGAGGTGAAAACAACTAAAACCTC
GAACGTTTTCTTGAATTGCTCTGTTTTATAAACAGAGGATATCATAATTCACATA
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TTGAAATCAGTGATCAAACATAAAAATTATGTTTCGTTTTGTTTCGCTGAACTTGGG
AGTTTTACTTTGTTCTGTAGGGTACCATGCAGGAGAAGAGGAGGAATAAGATTCA
CGATAAATGGCCACTCATACTTCAACCTTGTTCTGATCACTAACGTCGGTGGTGCC
GGAGACGTTCACTCGGCGGCATCAAGGGTTCAAGAACAGGTTGGCAAACCTATG
TCAAGAACTGGGGACAAAACCTGGCAAAGCAACTCTTACCTCAACGGTCAAGCA
CTTTCCTTCAAGGTCACCACCAGCGACGGCCGTACCGTTGTCTCCTACAACGCCG
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AGGGCAATTCGGTCTATCTCTTCTCCTTTATATCTATAGTAAAACCTCATTGTGTT
GGTGTGTAGAGGGCAATATTAGTAAACTCGGTTATTGAGAGAGTGGTGCCTCGAG
GGCTCGGTTTTGCAGAAGGCCTTGATGACGTCTATCTTTTTTTGGACCTCTTTATG
TTTTCTTCTTAAACTAGTTTTTTGTTAAGAAAGAAAACACAAAAAATA
TATATAGTATAGTTGATGTATTACTGATGCAGAGGTGGAGTTTTAACTACCACC
GCTAGTAGTAGTATTGAGTTATTTCAAGACGTGAGAGATGATGGGTTGTGATGT
TGTGTTATGAGACTAAGAAAAGTTG